

# Algebra 1 Bellwork Tuesday, September 15, 2015

1. List ALL of the groups of Real Numbers that each of the following belongs to.

- a)  $1.77\bar{7}$       b)  $-\frac{6}{2}$       c)  $1.030030003\dots$       d)  $\sqrt{36}$       e)  $\frac{17}{11}$

2. Simplify.  $6 \div 2(7 - 5)^2 \div (8 - 11)$

3. There are 16 ounces in a pound. Write an equation for the number of pounds in an unknown number of ounces.

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Answers

1. List ALL of the groups of Real Numbers that each of the following belongs to.

- a)  $1.77\bar{7}$       b)  $-\frac{6}{2} = -3$       c)  $1.030030003\dots$       d)  $\sqrt{36} = 6$       e)  $\frac{17}{11}$
- Rational      Rational  
Integer      Irrational      Rational  
integer  
whole  
Natural      Rational

2. Simplify.  $6 \div 2(7 - 5)^2 \div (8 - 11)$

$$\begin{array}{c} \downarrow \\ (2)^2 \\ \downarrow \\ 6 \div 2(4) \div (3) \\ \downarrow \\ 3(4) \div 3 \\ 12 \div 3 = -4 \end{array}$$

3. There are 16 ounces in a pound. Write an equation for the number of pounds in an unknown number of ounces.

$$P = \frac{X}{16}$$

# pounds	# ounces
1	16
2	32
3	48

P = # pounds

X = # ounces

$$X = 16 \cdot P$$